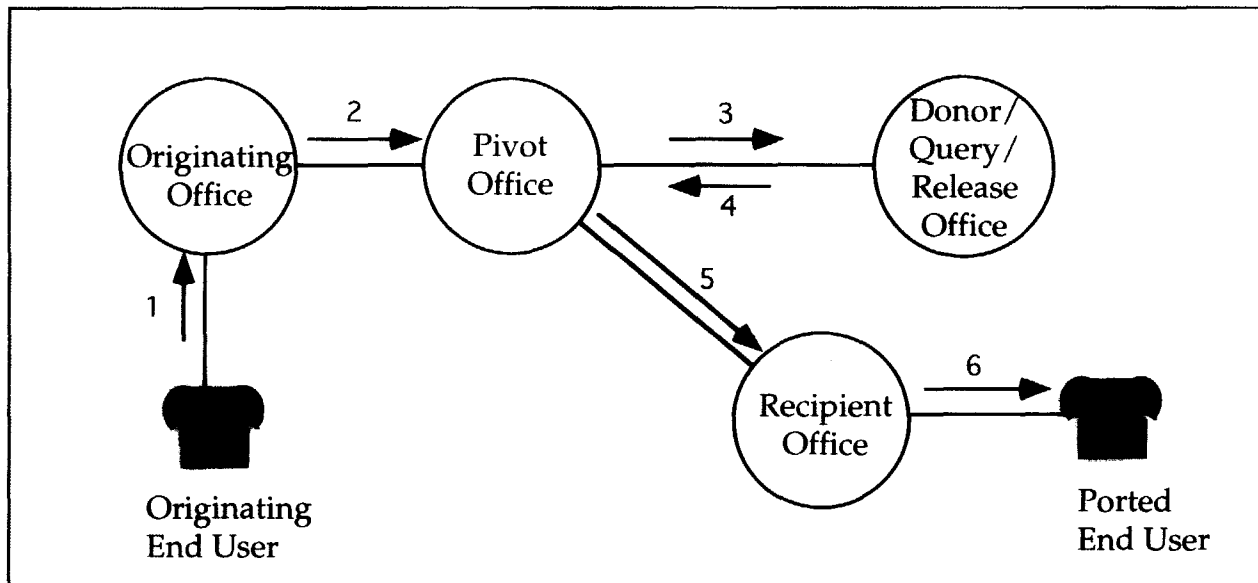


Release to Pivot



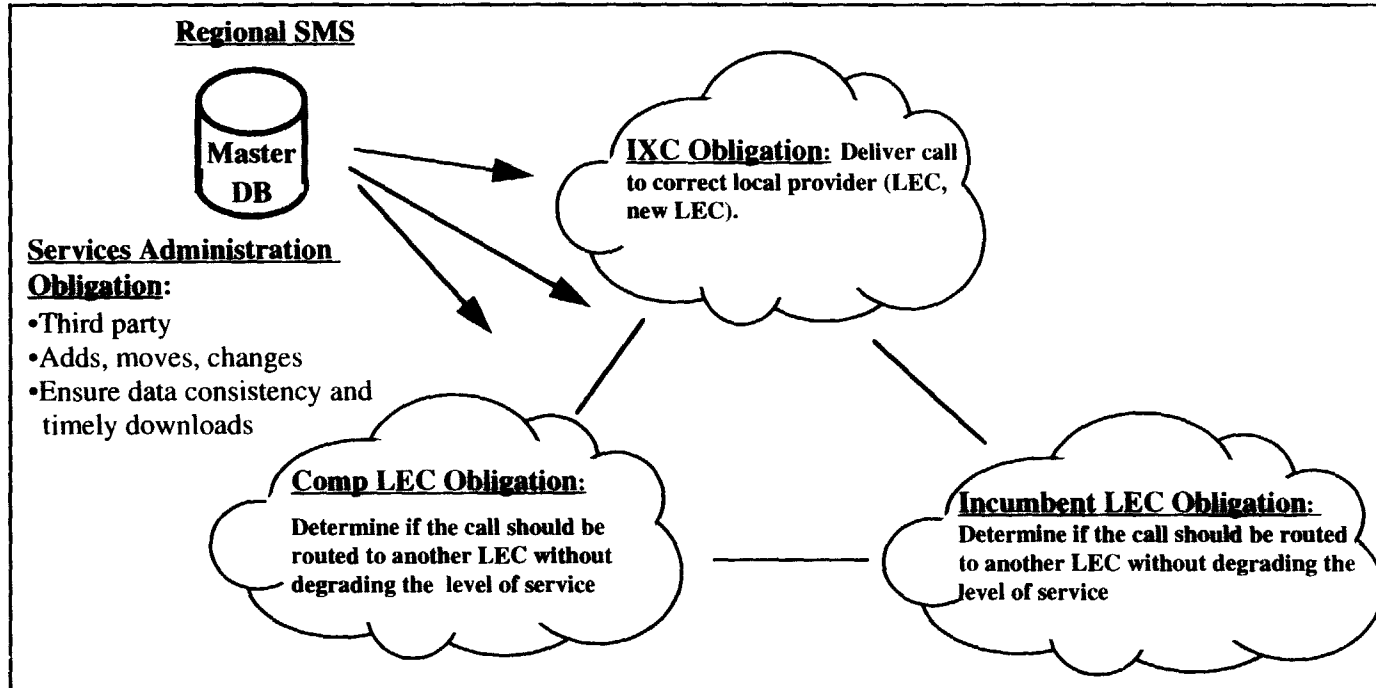
- Database may be internal to the donor office
- Donor office/LNP database keeps track of where ported number currently resides, sends back routing number in the ISUP message
- Trunks between pivot and donor offices released
- Requires full SS7 network deployment

Wireless (CMRS)

- **Wireless operator participation is not included in the initial trials in any state**
- **NPRM comments from many wireless operators indicate a growing interest in number portability**
- **Issues preventing wireless operator participation**
 - standards for data base queries, roaming, interconnection, etc...
 - no current consensus among wireless operators on LNP interest
- **Expectation that wireless participation will happen**
 - FCC Wireless Bureau investigating whether to treat wireless operators more like wireline operators

A national forum is needed to address LNP technical requirements for wireless networks

LNP Services Administration



Issues

- LECs currently administer the Numbering Plan in their regions
 - The FCC recently issued an order to consolidate this function within a new North American Numbering Advisory Committee
- All other parties generally agree that some independent third party must provide number administration once LNP implemented
- LNP number administration scope currently limited to regional implementation

Location (Geographic) Number Portability

- **Initial industry consensus is to only allow number portability within a rate center**
 - minimizes billing impacts on consumers who call ported numbers
- **General requirements to broaden geographic scope**
 - additional AMA recording and billing records processing
 - consumer acceptance of "caller pays" impacts on calls to a number which has moved to a different rate center
- **Longer term industry questions**
 - changes in billing paradigms and tariff structures
 - blurring of separation between local and toll
 - relationship to 500 service and wireless mobility

Need agreement on an LNP architecture which can evolve to meet future location LNP requirements

LNP Number Administration

- **Each state is issuing its own RFP for NPAC/SMS**
 - differences in processes and technical requirements will result in higher overall industry costs
- **Nortel is bidding in Illinois, in partnership with another company who will be the prime vendor and administrator**
 - the solution in our bid will have a national perspective

LNP Recommendations to the FCC

- **Utilize the Illinois LNP Task Force specs as a base to establish a common, national basis for LNP**
 - key to ensuring minimum industry costs and time to deploy
 - **Allow options to meet specific local needs**
 - query reduction mechanisms to allow cost containment
 - **Industry forums to agree on national, technical solutions for LNP**
 - service provider number portability
 - location (geographic) number portability
 - wireless
-